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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/663,544	09/15/2003	Maurizio Tormen	MIT.9858	3817	
7590 05/18/2005			EXAM	INER	
Samuels, Gauthier & Stevens LLP			PALMER,	PALMER, PHAN T H	
Suite 3300 225 Franklin St	treet .		ART UNIT	PAPER NUMBER	
Boston, MA 02110			2874		
			DATE MAILED: 05/18/200	5	

Please find below and/or attached an Office communication concerning this application or proceeding.

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	Application No.	Applicant(s)					
	10/663,544	TORMEN ET AL.					
Office Action Summary	Examiner	Art Unit					
	PHAN T.H. PALMER	2874					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1) Responsive to communication(s) filed on 15 Se	eptember 2003.						
2a)☐ This action is FINAL. 2b)☒ This	action is non-final.						
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the merits is					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.					
Disposition of Claims							
4)⊠ Claim(s) <u>1-58</u> is/are pending in the application.							
4a) Of the above claim(s) is/are withdray							
5) Claim(s) is/are allowed.							
6) Claim(s) 1,12,14,16,26,28,30,41,43,45,55 and	57 is/are rejected.						
7) Claim(s) 2-11,13,15,17-25,27,29,31-40,42,44,4		0.					
8) Claim(s) are subject to restriction and/o							
Application Papers	, '						
9) The specification is objected to by the Examine							
10) ☐ The drawing(s) filed on 15 September 2003 is/a	• • • •	· ·					
Applicant may not request that any objection to the	•	` '					
Replacement drawing sheet(s) including the correct							
11) The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form PTO-152.					
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign	priority under 35 U.S.C. § 119(a))-(d) or (f).					
a) ☐ All b) ☐ Some * c) ☐ None of:							
1. Certified copies of the priority documents have been received.							
2. Certified copies of the priority document	s have been received in Applicati	on No					
3. Copies of the certified copies of the priority documents have been received in this National Stage							
application from the International Bureau (PCT Rule 17.2(a)).							
* See the attached detailed Office action for a list of the certified copies not received.							
		PHAN T. H. PALMER PRIMARY EXAMINER					
Attachment(s)		05/15/2005					
1) ☑ Notice of References Cited (PTO-892) 4) ∐ Interview Summary (PTO-413) ′							
2) Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Da 5) Notice of Informal P	ate Patent Application (PTO-152)					
3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 09/15/03 & 7/02/04.	6) Other:	atent Application (FTO-132)					
U.S. Patent and Trademark Office	410						
PTOL-326 (Rev. 1-04) Office Ac	tion Summary	Part of Paper No./Mail Date 0505					

1. Applicant's cooperation is requested in correcting any error of which applicant may become aware in the specification.

Information Disclosure Statement

2. The information disclosure statement submitted on 09/15/2003, and 07/02/2004, have been considered by the examiner and made of record. See attached form PTO-1449.

Drawings

3. New corrected drawings in compliance with 37 CFR 1.121(d) are required in this application because (see form PTO-948). Applicant is advised to employ the services of a competent patent draftsperson outside the Office, as the U.S. Patent and Trademark Office no longer prepares new drawings. The corrected drawings are required in reply to the Office action to avoid abandonment of the application. The requirement for corrected drawings will not be held in abeyance. See attached form PTO-948.

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35
U.S.C. 102 that form the basis for the rejections under this section made in this
Office action:

Art Unit: 2874

A person shall be entitled to a patent unless -

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1, 12, 14, 16, 26, 28, 30, 41, 43, 45, 55, and 57 are rejected under 35 U.S.C. 102(a) as being anticipated by Wang et al (article New Integrated Optical Ring Resonator In Glass).

The Wang et al. discloses in figure 1, an optical filter comprising:

- at least one ring resonator that is apt to receive as input an optical signal having a plurality of channels from an input optical source; and
- at least one unbalanced Mach-Zehnder module nested in said at least one ring resonator, wherein said at least one unbalanced Mach-Zehnder module and said at least one ring resonator are apt to filter at least one selective channel from said optical signal.

With regard to claims 1, 12, 14, 16, 26, 28, 30, 41, 43, 45, 55, and 57, the Wang et al reference discloses all the claimed invention.

Allowable Subject Matter

5. Claims 2-11, 13, 15, 17-25, 27, 29, 31-40, 42, 44, 46-54, 56, and 58 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The Wang et al does not disclose the limitations of these above reference.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to PHAN T.H. PALMER whose telephone

number is (571) 272-2354. The examiner can normally be reached on Monday

to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the

examiner's supervisor, RODNEY B. BOVERNICK can be reached on (571) 272-

2344. The fax phone number for the organization where this application or

proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from

the Patent Application Information Retrieval (PAIR) system. Status information

for published applications may be obtained from either Private PAIR or Public

PAIR. Status information for unpublished applications is available through

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direct.uspto.gov. Should you have questions on access to the Private PAIR

system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-

free).

PTHP 05/15/2005

hant. H. falmer PHANT. H. PALMER PRIMARY EXAMINED